

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A low-pressure gas discharge lamp,
~~which is equipped with comprising:~~
a gas discharge vessel containing an inert gas filling and
 2×10^{-11} to 2×10^{-9} mole/cm³ of tin halides in a gas phase;~~as the~~
~~buffer gas, and with~~
electrodes; and with
means for generating and maintaining a low-pressure gas
~~discharge, characterized in that it contains at least one tin~~
~~halide.~~

Claim 2 (Canceled)

3. (Currently Amended) A low-pressure gas discharge lamp as

~~claimed in claim 1, characterized in that it contains comprising:~~

a gas discharge vessel containing an inert gas and
approximately 2×10^{-10} mole/cm³ of tin halides in the gas phase,
corresponding to an operational pressure of approximately 10 μ bar;
electrodes; and
means for generating and maintaining a low-pressure gas
discharge.

4. (Currently Amended) A low-pressure gas discharge lamp as
~~claimed in claim 1, characterized in that comprising:~~
a gas discharge vessel containing an inert gas filling;
electrodes; and
means for generating and maintaining a low-pressure gas
discharge, wherein a wall temperature of $T^* \pm 50$ K is set, and
wherein T^* is 220° C for tin chloride, 230° C for tin bromide, and
275° C for tin iodide.

5. (Currently Amended) ~~A~~ The low-pressure gas discharge lamp
as claimed in claim 1, ~~characterized in that the~~ wherein a gas
pressure of the inert gas lies in ~~the range between 1 and 5 mbar,~~

~~and is preferably around 2 mbar.~~

6. (Currently Amended) ~~A~~ The low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that the~~ wherein a UV radiation emitted as a result of the discharge is converted into visible radiation by means of suitable fluorescent materials.

7. (Currently Amended) ~~A~~ The low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that the~~ wherein walls of the discharge device comprise quartz, Al_2O_3 , or yttrium-aluminum garnet, ~~or similar known materials.~~

8. (Currently Amended) ~~A~~ The low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that~~ wherein the discharge can be excited inductively or capacitively with external electrodes and a high-frequency alternating field.

9. (Currently Amended) ~~A~~ The low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that the internal~~ wherein the electrodes comprise conductive materials ~~(for example tungsten~~

~~or rhenium).~~

10. (Currently Amended) A ~~The~~ low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that it contains internal~~ ~~wherein the electrodes which are additionally provided with a~~ material of low work function.

11. (New) The low-pressure gas discharge lamp as claimed in claim 1, wherein the electrodes comprise rhenium.

12. (New) The low-pressure gas discharge lamp as claimed in claim 1, wherein the electrodes comprise tungsten.

13. (New) The low-pressure gas discharge lamp as claimed in claim 1, further comprising a fluorescent coating on an outer surface of the gas discharge vessel.